

**PENINGKATAN KEAKTIFAN SISWA PADA MATA PELAJARAN
SIMULASI DIGITAL DENGAN MODEL PEMBELAJARAN KOOPERATIF
TIPE *NUMBERED HEADS TOGETHER* (NHT) KELAS X MULTIMEDIA
SMK NEGERI 1 MAGETAN**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui peningkatan keaktifan siswa pada mata pelajaran Simulasi Digital menggunakan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) pada siswa kelas X Multimedia SMK Negeri 1 Magetan.

Jenis penelitian yang dilakukan yaitu penelitian tindakan kelas (*classroom action research*) menggunakan model spiral Kemmis & Taggart. Penelitian yang dilakukan terdiri atas dua siklus dimana setiap siklus meliputi perencanaan, tindakan, observasi, dan refleksi. Penelitian dilaksanakan di SMK Negeri 1 Magetan. Subyek penelitian yaitu siswa kelas X Multimedia yang berjumlah 37 siswa. Obyek dalam penelitian ini yaitu peningkatan keaktifan siswa pada mata pelajaran Simulasi Digital khususnya pada pokok bahasan penerapan fitur aplikasi pengolah simulasi visual tahap paska produksi. Metode pengumpulan data yang digunakan adalah observasi, dokumentasi, dan catatan lapangan. Metode yang digunakan dalam analisis data yaitu metode analisis deskriptif kualitatif.

Hasil penelitian menunjukkan bahwa persentase keaktifan siswa pada pertemuan pertama siklus I sebesar 60,52%. Persentase keaktifan tersebut meningkat pada pertemuan kedua siklus I sebesar 78,57%. Rata-rata persentase keaktifan siswa pada siklus I yaitu sebesar 69,55%. Pada pertemuan pertama siklus II, persentase keaktifan siswa sebesar 66,31%. Pada pertemuan kedua siklus II, persentase keaktifan siswa meningkat menjadi 82,05%. Rata-rata persentase keaktifan siswa pada siklus II yaitu 77,41%. Berdasarkan uraian di atas, dapat ditarik kesimpulan bahwa penggunaan model pembelajaran kooperatif tipe *Numbered Heads Together* (NHT) dapat meningkatkan keaktifan siswa kelas X Multimedia pada mata pelajaran Simulasi Digital.

Kata Kunci: Keaktifan, Simulasi Digital, *Numbered Heads Together* (NHT)

**INCREASE IN STUDENT LEARNING ACTIVITIES ON DIGITAL SIMULATION
WITH COOPERATIVE LEARNING MODEL TYPE NUMBERED HEADS
TOGETHER (NHT) IN X MULTIMEDIA SMK NEGERI 1 MAGETAN**

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ABSTRACT

The purpose of this research was to determine the increase of student learning activities on Digital Simulation with cooperative learning model type Numbered Heads Together (NHT) in X Multimedia SMK Negeri 1 Magetan.

The type of this research was classroom action research using Kemmis & Taggart spiral model. The research consisted of two cycle which each cycle consisted of four steps including planning, acting, observing, and reflecting. The research took place at SMK Negeri 1 Magetan. The subjects of this research were 37 students of class X Multimedia. The object of this research was the increase of student learning activities on Digital Simulation particularly on the lesson applying features of visual simulation software in pasca production. Data collecting method used in this research were observation, documentation, and field note. Data analysis technique used in this research was descriptive qualitative.

The results of this research showed the percentage of student learning activities on the first lesson of the first cycle was 60,52%. The percentage increased on the second lesson of first cycle to 78,57%. The average percentage of first cycle was 69,55%. On the first lesson of second cycle the percentage of student learning activities was 66,31%. The percentage increased on the second lesson of second cycle to 77,41%. Based on the explanation above, it can be concluded that cooperative learning model type Numbered Heads Together (NHT) can increase the student learning activities on Digital Simulation in X Multimedia.

*Keywords: Student Activities, Digital Simulation, Numbered Heads Together
NHT)*